

PATENT
INSTITUT FRANCAIS DU PETROLE

PROCESS AND APPARATUS FOR THE PRODUCTION OF CATALYTIC
5 CRACKING GASOLINE WITH A LOW SULPHUR CONTENT

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ABSTRACT

The invention concerns a process for the treatment of catalytic cracking gasolines comprising:

- fractionating the raw gasoline cut into two cuts;
- optional selective diene hydrogenation in the light cut, then mild hydrotreatment and stripping;
- sweetening the light cut which takes place before the mild hydrotreatment step by contact with a supported catalyst containing 0.1-1% of palladium, or which takes place after the mild hydrotreatment step and which is then an extractive sweetening step, or with a catalyst having an alkaline base which may or may not be incorporated, also an oxidizing agent.

The heavy gasoline fraction is optionally desulphurized in a hydrotreatment unit.

The desulphurized and sweetened light gasoline can be added to the gasoline pool either directly or mixed with the desulphurized heavy gasoline cut.

25 The invention also concerns an apparatus for carrying out the process.

Figure 1 to be published.